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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/10/071,174

TIME: 17:51:47

Input Set : N:\Crif3\02272002\J071174.raw

Output Set: N:\CRF3\03192002\J071174.raw

ENTERED

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1 <110> APPLICANT: REED, JOHN C.
2     KE, NING
3     GODZIK, ADAM
4 <120> TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND
5     USING SAME
6 <130> FILE REFERENCE: 087102-0272558
7 <140> CURRENT APPLICATION NUMBER: US/10/071,174
8 <141> CURRENT FILING DATE: 2002-02-07
9 <150> PRIOR APPLICATION NUMBER: 60/267,166
10 <151> PRIOR FILING DATE: 2001-02-07
11 <160> NUMBER OF SEQ ID NOS: 36
12 <170> SOFTWARE: PatentIn Ver. 2.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 887
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
18 <400> SEQUENCE: 1
19     cgggcccaaga aaaccagcga aggcccggcc cccagcaga ggccggacca tgggtgacca 60
20     gttgcgggag cgcaccacca tggccgaccc gctgcgggag cgcaccgagc tgttgctggc 120
21     cgactacctg ggttactgcg cccgggaacc cggcaccccc gagccggcgc catccacgcc 180
22     cgaggccgcc gtgctgctgc ccgcggccgc cagggttacgg cagattcacc ggtccctttt 240
23     ctccgcctac ctccgctacc ccgggaaccg ctccgagctg gtggcgctga tggcggattc 300
24     cgtgctctcc gacagccccg gccccacctg gggcagagtg gtgacgctcg tgaccttcgc 360
25     agggacgctg ctggagagag ggccgctggt gaccgcccgg tggaagaagt ggggcttcca 420
26     gccgcggcta aaggagcagg agggcgacgt cgcccgggac tgccagcgcc tgggtggcctt 480
27     gctgagctcg cggtcatggt ggcagcaccg cgcttgctg caggctcagg gcggttgga 540
28     tggcttttgt cacttcttca ggaccccctt tccactggt ttttgagaa aacagctggt 600
29     ccaggctttt ctgtcatgct tgtaacaac agccttcatt tatctctgga cagcattatt 660
30     atgagtttta aaacttttaa cccgcttcta cctgccaac tgtgaccaac taaatgacag 720
31     atgtgtgaga acaagaactg agggaaagca ccttcccca cccagacgt ttttatctga 780
32     atgcatacaa ggagtcctga ggtggtgatt tggccagtgt tttaacttgt gacaagtact 840
33     cagggtgtgag gacaagaatg caaatggctc ttccttgagt gaaagaa 887
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 204
37 <212> TYPE: PRT
38 <213> ORGANISM: Homo sapiens
39 <400> SEQUENCE: 2
40     Met Val Asp Gln Leu Arg Glu Arg Thr Thr Met Ala Asp Pro Leu Arg
41         1             5             10             15
42     Glu Arg Thr Glu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys Ala Arg
43         20             25             30
44     Glu Pro Gly Thr Pro Glu Pro Ala Pro Ser Thr Pro Glu Ala Ala Val
45         35             40             45

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46      Leu Arg Ser Ala Ala Ala Arg Leu Arg Gln Ile His Arg Ser Phe Phe
47          50                      55                      60
48      Ser Ala Tyr Leu Gly Tyr Pro Gly Asn Arg Phe Glu Leu Val Ala Leu
49          65                      70                      75                      80
50      Met Ala Asp Ser Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg
51                      85                      90                      95
52      Val Val Thr Leu Val Thr Phe Ala Gly Thr Leu Leu Glu Arg Gly Pro
53                      100                      105                      110
54      Leu Val Thr Ala Arg Trp Lys Lys Trp Gly Phe Gln Pro Arg Leu Lys
55                      115                      120                      125
56      Glu Gln Glu Gly Asp Val Ala Arg Asp Cys Gln Arg Leu Val Ala Leu
57          130                      135                      140
58      Leu Ser Ser Arg Leu Met Gly Gln His Arg Ala Trp Leu Gln Ala Gln
59          145                      150                      155                      160
60      Gly Gly Trp Asp Gly Phe Cys His Phe Phe Arg Thr Pro Phe Pro Leu
61                      165                      170                      175
62      Ala Phe Trp Arg Lys Gln Leu Val Gln Ala Phe Leu Ser Cys Leu Leu
63                      180                      185                      190
64      Thr Thr Ala Phe Ile Tyr Leu Trp Thr Arg Leu Leu
65          195                      200
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 21
69 <212> TYPE: PRT
70 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 3
72      Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg Val Val Thr Leu
73          1                      5                      10                      15
74      Val Thr Phe Ala Gly
75          20
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 15
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 4
82      Ala Trp Leu Gln Ala Gln Gly Gly Trp Asp Gly Phe Cys His Phe
83          1                      5                      10                      15
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 15
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 5
90      Glu Ala Ala Val Leu Arg Ser Ala Ala Ala Arg Leu Arg Gln Ile
91          1                      5                      10                      15
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 21
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 6
98      Glu Arg Thr Glu Leu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys Ala Arg

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99          1          5          10          15
100      Glu Pro Gly Thr Pro
101                      20
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 23
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
109 <400> SEQUENCE: 7
110      cgggccaaga aaaccagcga agg                                23
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 24
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
118 <400> SEQUENCE: 8
119      cactcaagga agagccattt gcat                                24
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 28
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
127 <400> SEQUENCE: 9
128      ggaattcatg gttgaccagt tgcgggag                                28
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 30
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
136 <400> SEQUENCE: 10
137      ccgctcgagt cataataatc gtgtccagag                                30
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 34
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
145 <400> SEQUENCE: 11
146      ccgctcgagt catgttttct ccaaaaagcc agtg                                34
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 22
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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154 <400> SEQUENCE: 12
155      gtggtgacgc tcgtgacctt cg
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 24
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 13
162      Leu Arg Glu Arg Thr Glu Leu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys
163      1          5          10          15
164      Ala Arg Glu Pro Gly Thr Pro Glu
165      20
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 24
169 <212> TYPE: PRT
170 <213> ORGANISM: Murine sp.
171 <400> SEQUENCE: 14
172      Leu His Glu Arg Thr Arg Arg Leu Leu Ser Asp Tyr Ile Phe Phe Cys
173      1          5          10          15
174      Ala Arg Glu Pro Asp Thr Pro Glu
175      20
177 <210> SEQ ID NO: 15
178 <211> LENGTH: 22
179 <212> TYPE: PRT
180 <213> ORGANISM: Gallus sp.
181 <400> SEQUENCE: 15
182      Leu Lys Glu Glu Thr Ala Leu Leu Leu Glu Asp Tyr Phe Gln His Arg
183      1          5          10          15
184      Ala Gly Gly Ala Ala Leu
185      20
187 <210> SEQ ID NO: 16
188 <211> LENGTH: 24
189 <212> TYPE: PRT
190 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 16
192      Thr Gly Tyr Asp Asn Arg Glu Ile Val Met Lys Tyr Ile His Tyr Lys
193      1          5          10          15
194      Leu Ser Gln Arg Gly Tyr Glu Trp
195      20
197 <210> SEQ ID NO: 17
198 <211> LENGTH: 24
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
201 <400> SEQUENCE: 17
202      Met Ser Gln Ser Asn Arg Glu Leu Val Val Asp Phe Leu Ser Tyr Lys
203      1          5          10          15
204      Leu Ser Gln Lys Gly Tyr Ser Trp
205      20
207 <210> SEQ ID NO: 18
208 <211> LENGTH: 24

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209 <212> TYPE: PRT
210 <213> ORGANISM: Caenorhabditis elegans
211 <400> SEQUENCE: 18
212   Pro Arg Leu Asp Ile Glu Gly Phe Val Val Asp Tyr Phe Thr His Arg
213       1             5             10             15
214   Ile Arg Gln Asn Gly Met Glu Trp
215               20
217 <210> SEQ ID NO: 19
218 <211> LENGTH: 30
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 19
222   Met Ala Asp Ser Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg
223       1             5             10             15
224   Val Val Thr Leu Val Thr Phe Ala Gly Thr Leu Leu Glu Arg
225               20             25             30
227 <210> SEQ ID NO: 20
228 <211> LENGTH: 30
229 <212> TYPE: PRT
230 <213> ORGANISM: Murine sp.
231 <400> SEQUENCE: 20
232   Met Ala Asp Lys Leu Leu Ser Lys Asp Gln Asp Phe Ser Trp Ser Gln
233       1             5             10             15
234   Leu Val Met Leu Leu Ala Phe Ala Gly Thr Leu Met Asn Gln
235               20             25             30
237 <210> SEQ ID NO: 21
238 <211> LENGTH: 30
239 <212> TYPE: PRT
240 <213> ORGANISM: Gallus sp.
241 <400> SEQUENCE: 21
242   Lys Val Ala Ala Gln Leu Glu Thr Asp Gly Gly Leu Asn Trp Gly Arg
243       1             5             10             15
244   Leu Leu Ala Leu Val Val Phe Ala Gly Thr Leu Ala Ala Ala
245               20             25             30
247 <210> SEQ ID NO: 22
248 <211> LENGTH: 29
249 <212> TYPE: PRT
250 <213> ORGANISM: Homo sapiens
251 <400> SEQUENCE: 22
252   Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile
253       1             5             10             15
254   Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
255               20             25
257 <210> SEQ ID NO: 23
258 <211> LENGTH: 29
259 <212> TYPE: PRT
260 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 23
262   Gln Val Val Asn Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile

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VERIFICATION SUMMARY

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Input Set : N:\Crf3\02272002\J071174.raw

Output Set: N:\CRF3\03192002\J071174.raw